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# GLAST Monthly PSR

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LAT Instrument

**B. Graf**  
*Instrument Manager*  
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# Accomplishments

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- *All changes associated with the re-baseline have been incorporated into the PMCS*
  - *new (full) schedule on the web*
  - *summary schedules being developed*
- *Up-dated WBS submitted to CCB*
- *FPGA Review Re-started*
  - *commitment from both sides*
  - *Initial session pending scheduling issues (next week ?)*
- *GRID MRR Successfully Completed*
  - *stress report completion and review only hang-up*
  - *OK to proceed through initial machining*
- *Successful Radiator and VCHP MRR Completed*
  - *SLAC review of final radiator drawing package pending; otherwise OK to proceed*
  - *VCHP OK to proceed up to charge (HE contamination resolution prior to charge)*
- *Received the up-dated LAT Instrument Performance Verification Plan*
  - *call me if you need a copy*



# ACCOMPLISHMENTS (con't)

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- ***Radiation testing of ACD ASIC, MAX 145 (ADC) and MAX 5121 (DAC):***
  - ***ASIC: Laser testing of chip at NRL pending; final analysis of all data expected to resolve; GTRC V7 due end Of January***
  - ***Converters: Laser testing of test set-up confirmed differences; analysis shows up-sets at low frequency; additional testing at Brookhaven next week.***
- ***Tracker EM status:***
  - ***inspection following vibe test anomaly complete***
  - ***focus on the tracker GRID interface design***
  - ***re-test target end of January ; thermal test being worked***
  - ***“summit” in Italy next week***
- ***ACD PMT failed in thermal vacuum test at -30 C***
  - ***investigation underway***
- ***CDE Production***
  - ***650 crystal delivered to NRL***
  - ***PDA assemblies delivered at a rate of 100 per week***
  - ***first 12 CDEs from flight build to qual testing; no production problems to report***
- ***MCM Pre-Production; first two runs completed; QA in place; process revised***



# Issues/Problems

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- *SCHEDULE - SCHEDULE - SCHEDULE*
  - *Re-baseline not performance*
- *Software Development*
- *Tracker EM testing*
- *Timely executing the ASIC screening and qualification program*
- *Decisions needed on :*
  - *Omnetics connectors*
  - *RAD 750 press fit connectors*
- *MCM Production – not necessarily an issue at the moment, but we need to be on top of this to prevent it becoming one.*



# Upcoming Events

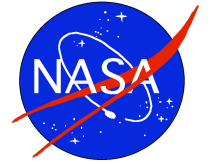
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- *January Monthly scheduled for the 28 th*
- *Sub-Systems Managers meeting – January 20*
- *QA Audit at SLAC on January 20*
  - *sorry if I gave the wrong date*
- *EM2 Flight Software Review and Demonstration – 1/29/04*
- *Tracker Meeting 1/13- 1/14, Pisa*
- *Mechanical TIM (tentative) January 1/20/04*
- *March 17, 18 Lehman review dry run*
- *Lehman Review March 30 – April 1 at SLAC*



# Rolling Wave Schedule

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*see attached.*